

## **ABSTRACT**

A transceiver system is disclosed for use in a telecommunication system. The transceiver system includes a transmission circuit including a differential transmitter input coupled to a differential input of a transmission amplifier, a receiver circuit including a differential receiver output coupled to a differential output of a receiver amplifier, and a transmission line interface circuit that is coupled to a differential output of the transmission amplifier and to a differential input of the receiver amplifier. The transmission line interface circuit providing a second order high pass transfer function.